SCENARIO BASED SQL QUESTIONS

> **Find unique departments from employee table?**

CREATE TABLE EMPLOYEE (

EMP_ID INT,

EMP_NAME VARCHAR (40),

EMP_DEPT VARCHAR (40),

EMP_CITY VARCHAR (40),

EMP_SALARY INT);

INSERT INTO EMPLOYEE VALUES (1,'A', 'SALES','MUMBAI',40000),

(2,'B', 'ADMIN','DELHI' ,50000),

(3, 'C','ANALYST','PUNE',70000),

(4,'D','HR','BANGALORE' ,60000),

(5, 'E','R&D','MUMBAI',60000),

(6,'F','SALES','MP' ,30000),

(7, 'G','R&D','MUMBAI',60000),

(8,'H','ADMIN','MP' ,40000);

SELECT * FROM EMPLOYEE;

--------USING DISTINCT---------------------------

SELECT DISTINCT(EMP_DEPT) FROM EMPLOYEE;

-----USING GROUP BY -------------------------------

SELECT EMP_DEPT FROM EMPLOYEE GROUP BY EMP_DEPT;

-----USING UNION SET OPERATOR-----------------------

SELECT EMP_DEPT FROM EMPLOYEE

UNION

SELECT EMP_DEPT FROM EMPLOYEE;

-----USING ROW_NUMBER WINDOW FUNCTION---------------

SELECT EMP_DEPT FROM (

SELECT EMP_DEPT, ROW_NUMBER () OVER (PARTITION BY EMP_DEPT) AS RN FROM EMPLOYEE)

AS TEST WHERE RN=1;